

FIG. 1

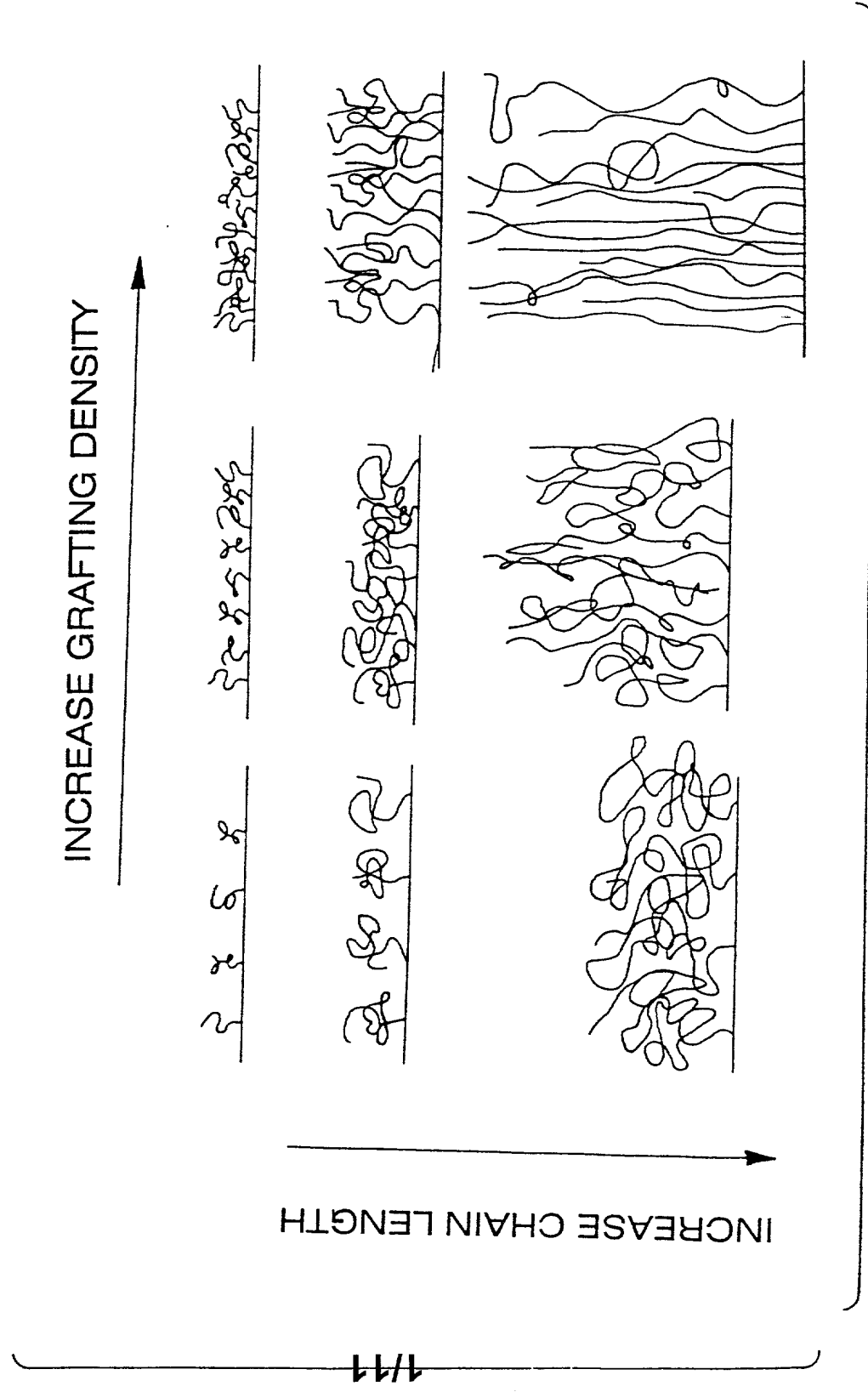




FIG. 3

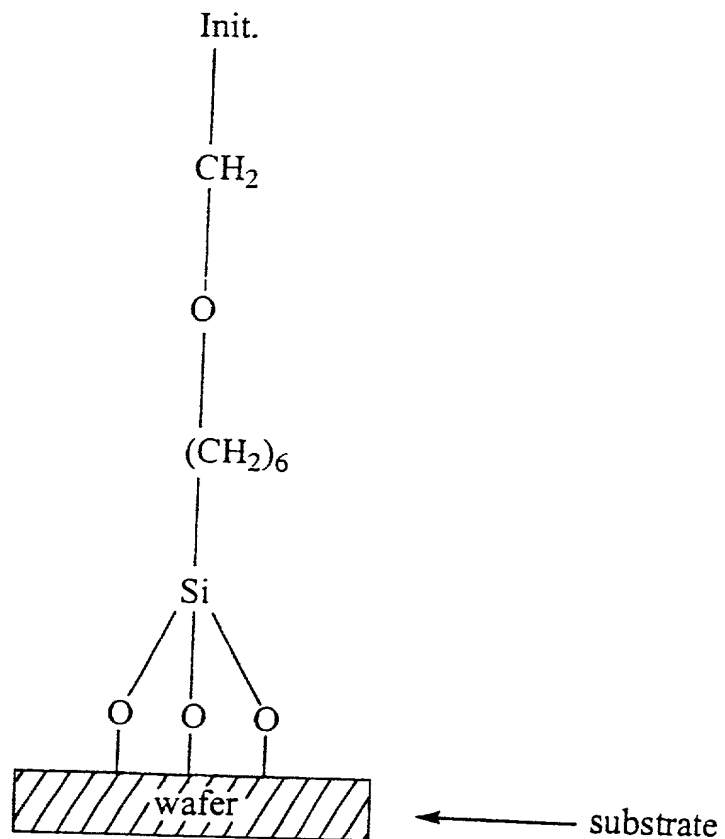


FIG. 4

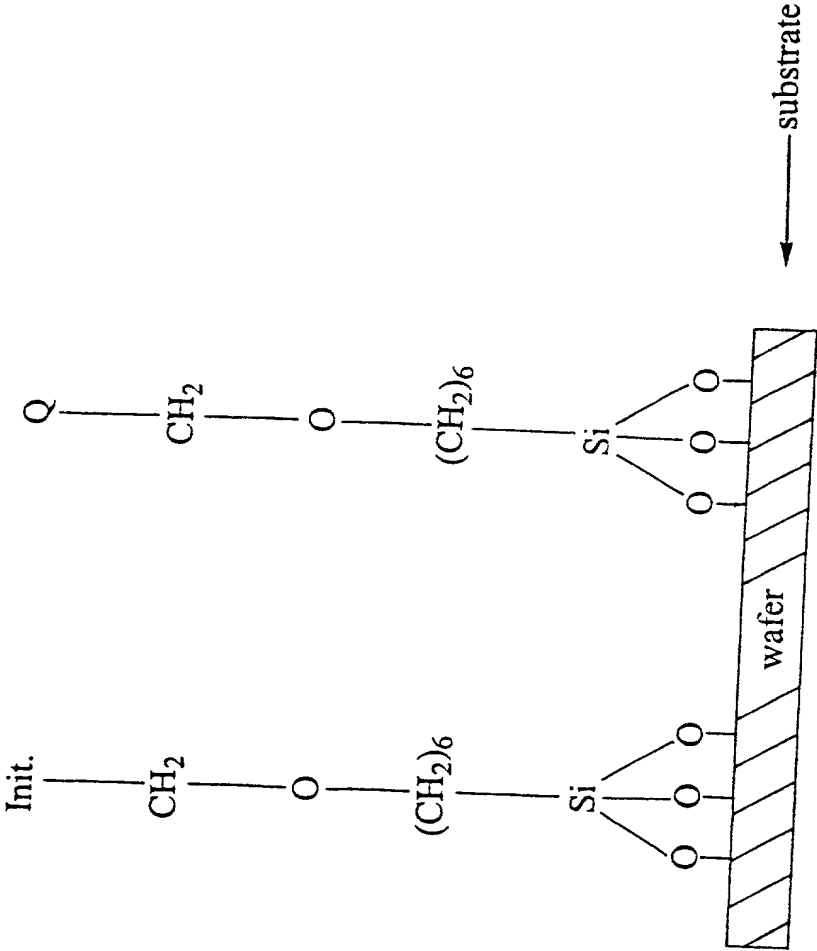


FIG. 5

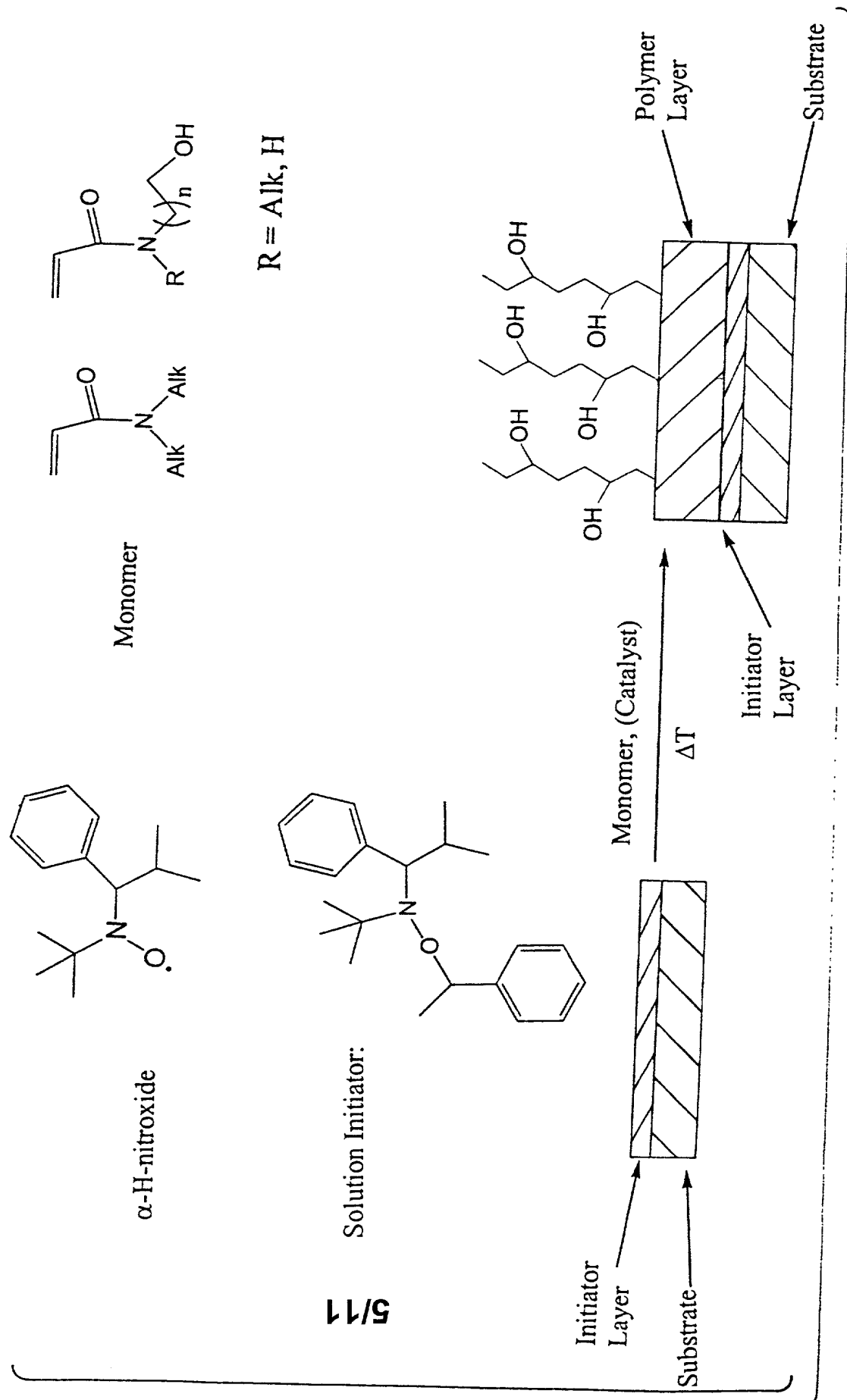


FIG. 6

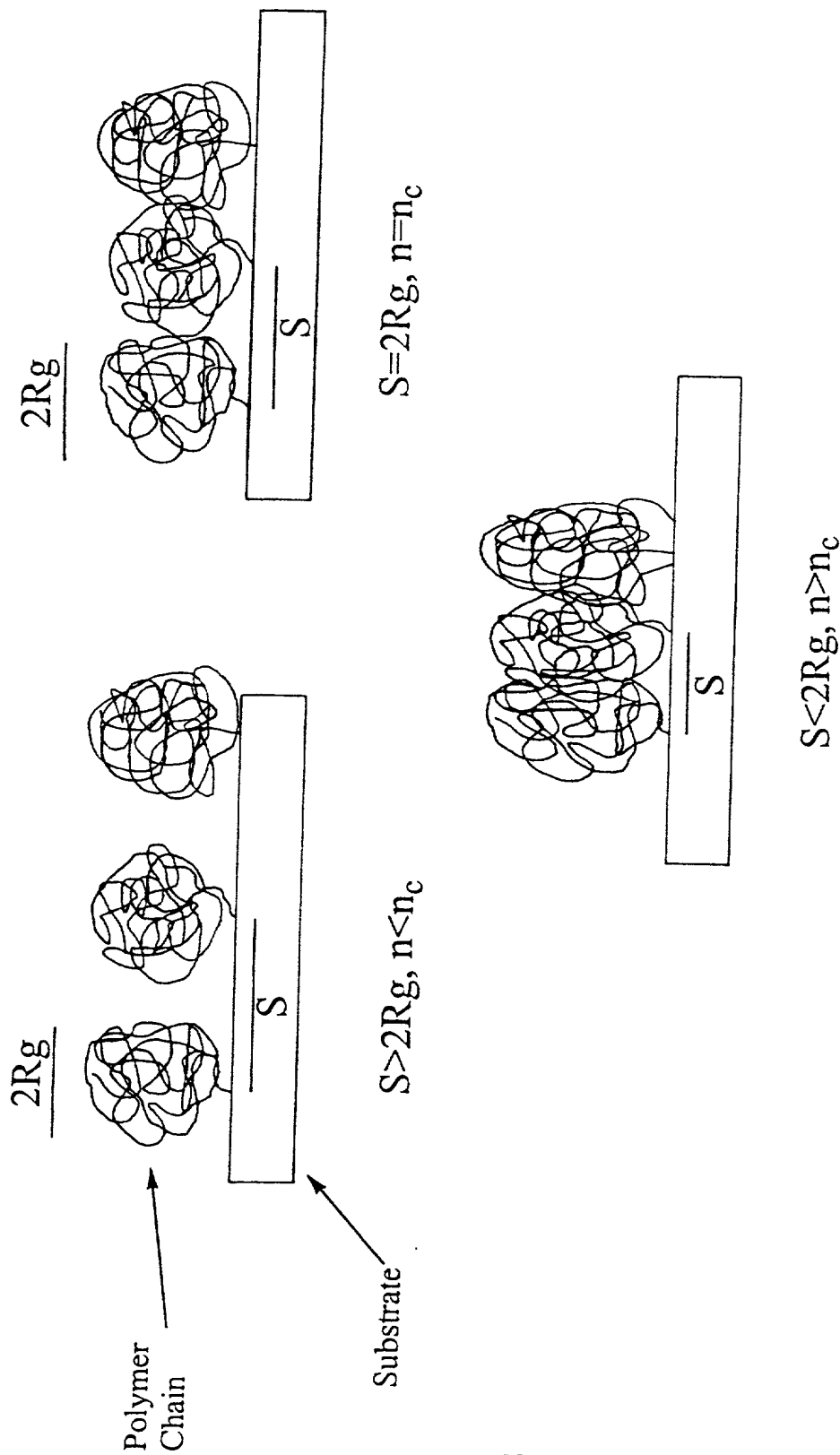


FIG. 7

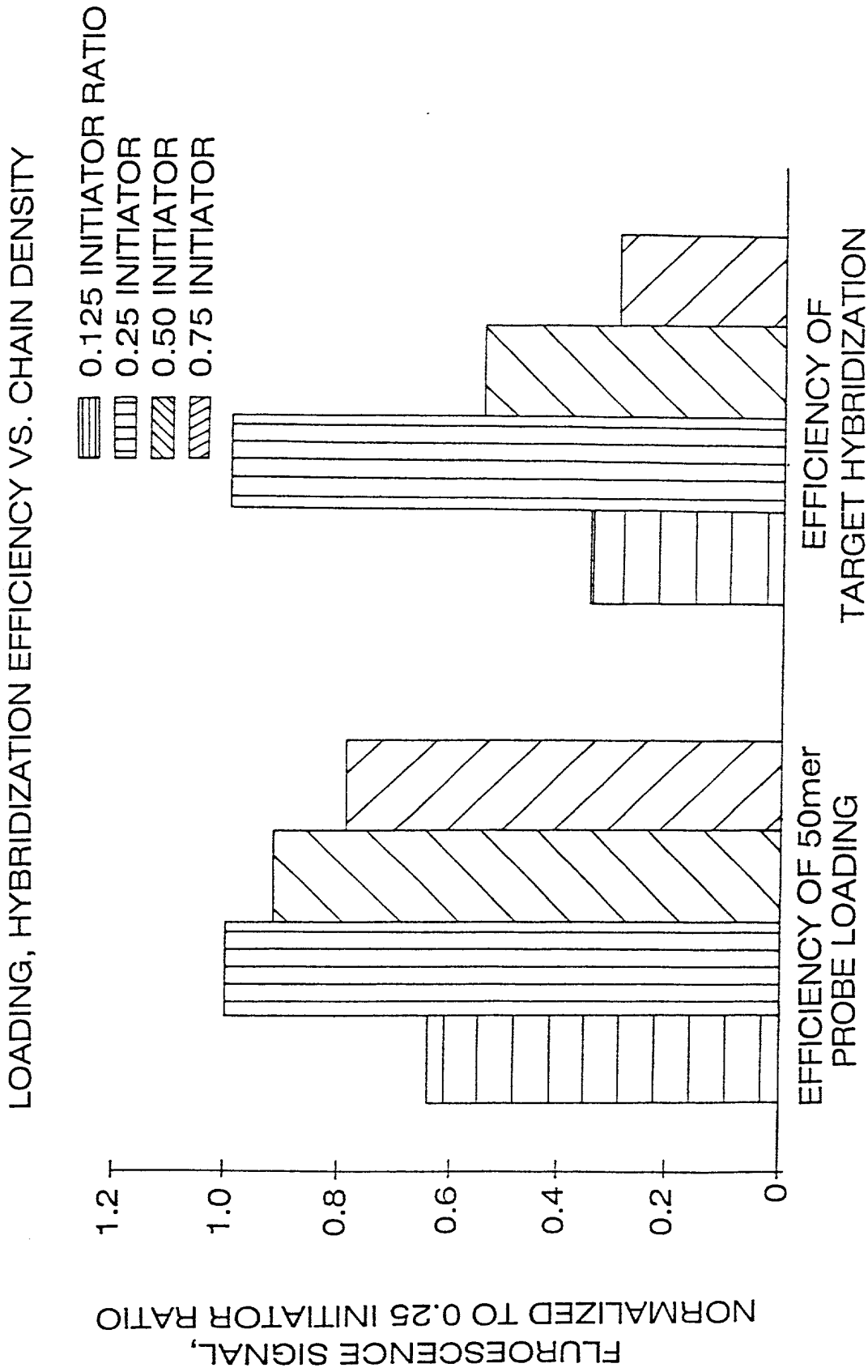


Figure 8a

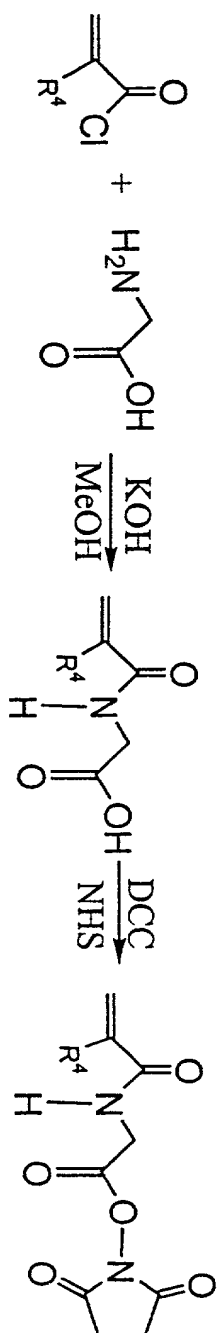


Figure 8b

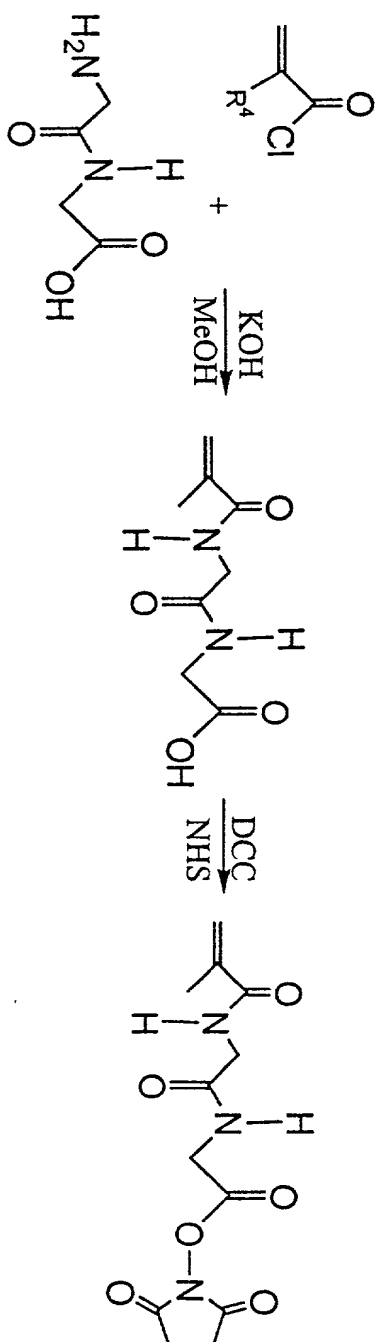
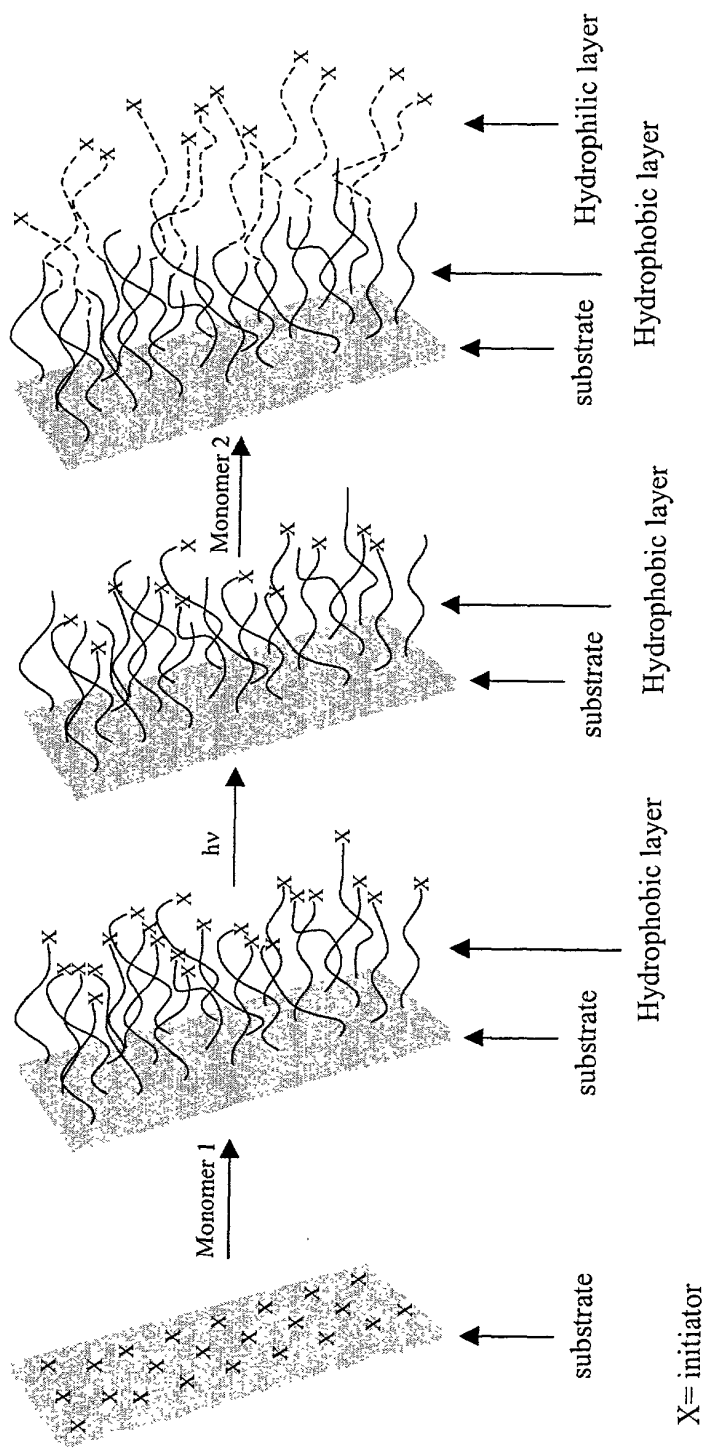




Fig. 9



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FIG. 10a

Probe Loading (fluorescent count)						
		NHSMA/DMA Monomer Ratio				
		1%	3%	5%	10%	25%
Chain Density	2%					
	5%					1042
	15%			4174	2507	2064
	50%			7221	3822	1961
	75%	989	5048	25209		
	100%	1503	2865	10258		

FIG. 10b

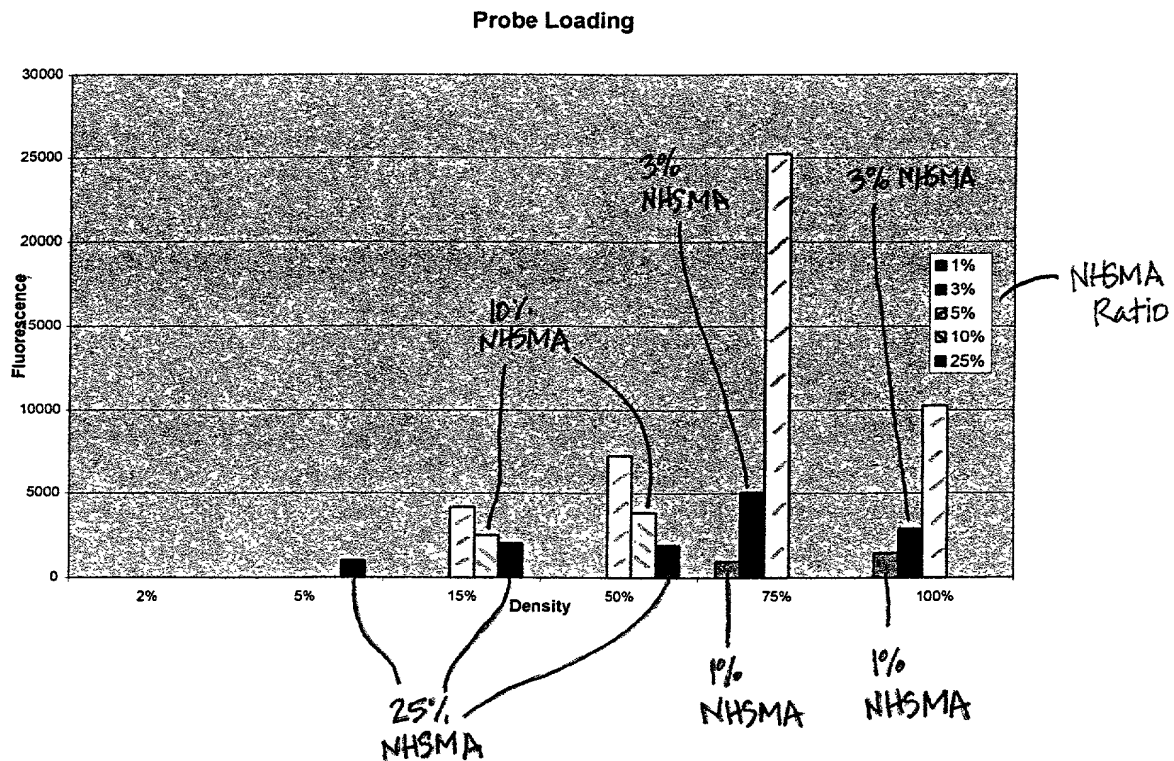


FIG. 10d

**Hybridization**

Fluorescence

Density

1% NHSMA

3% NHSMA

10% NHSMA

25% NHSMA

NHSMA Ratio

Density	1% NHSMA	3% NHSMA	5% NHSMA	10% NHSMA	25% NHSMA
2%	0	0	0	0	0
5%	0	0	0	0	1000
15%	0	0	0	1500	4500
50%	0	0	0	2800	5300
75%	4500	9500	11200	0	0
100%	3800	9300	8800	0	0

